

Abstract

The present invention pertains to an electromotive soil cultivation appliance for cultivating soil in the fields of agriculture and horticulture, particularly a rotary hoe with an asynchronous rotary current motor (4) for driving a rotatable cultivating tool (3). The soil cultivation appliance comprises a frequency converter (10) for generating a drive voltage of adjustable frequency for the rotary current motor (4), wherein the frequency converter (10) is connected to a manually operated adjusting device (8, 9) for varying the frequency of the drive voltage. The rotary current motor is realized in such a way that a nearly constant torque of the rotary current motor (4) is maintained over a broad range of speeds of the motor (4) that can be adjusted by means of the adjusting device (8, 9).

The appliance according to the invention represents a very user-friendly soil cultivation appliance that makes it possible to also achieve an efficient cultivation of the soil in lower speed ranges.